

WHAT IS CLAIMED IS:

1. A washing machine comprising:

a casing provided with an opening for putting laundry
5 into the washing machine therethrough;

a tub supportably installed in the casing;

a drum rotatably located in the tub;

driving means for rotating the drum; and

a door installed at the casing for opening and closing
10 the opening of the casing, and provided with air suction ports
for sucking external air into the drum therethrough.

2. The washing machine as set forth in claim 1,

wherein the door is provided with a plurality of the air
15 suction ports.

3. The washing machine as set forth in claim 1,

wherein the door includes means for opening and closing
the air suction ports.

4. The washing machine as set forth in claim 3,

wherein the means for opening and closing the air
suction ports includes shielding plugs for respectively
shielding the air suction ports.

5. The washing machine as set forth in claim 3,

wherein the means for opening and closing the air suction ports includes a driving plate rotatably installed at the front surface of the door and provided with holes corresponding to the air suction ports.

6. The washing machine as set forth in claim 5,

wherein the driving plate is provided with hooks latched on the door.

7. The washing machine as set forth in claim 5,

wherein the means for opening and closing the air suction ports further includes rotary means for rotating the driving plate.

8. The washing machine as set forth in claim 7,

wherein the rotary means includes a driving gear, for rotating the driving plate, provided with teeth engaged with gear teeth formed along an outer circumference of the driving plate, and a motor for rotating the driving gear.

9. The washing machine as set forth in claim 1,

wherein heating means for heating sucked air are respectively provided in the air suction ports.

10. A washing machine comprising:

a casing provided with an opening for putting laundry into the washing machine therethrough;

a tub supportably installed in the casing;

a drum rotatably located in the tub;

driving means for rotating the drum;

a door installed at the casing for opening and closing the opening of the casing, and provided with air suction ports for sucking external air into the drum therethrough; and

means, for opening and closing the air suction ports, installed at the door.

11. The washing machine as set forth in claim 10,

wherein heating means for heating sucked air are respectively provided in the air suction ports.

12. The washing machine as set forth in claim 11,

wherein the means for opening and closing the air suction ports includes shielding plugs for respectively shielding the air suction ports.

13. The washing machine as set forth in claim 11,

wherein the means for opening and closing the air suction ports includes a driving plate rotatably installed at the front surface of the door and provided with holes

corresponding to the air suction ports.

14. The washing machine as set forth in claim 13,
wherein the means for opening and closing the air
5 suction ports further includes rotary means for rotating the
driving plate.

15. The washing machine as set forth in claim 11,
wherein the door is provided with a plurality of the air
10 suction ports.

16. A washing machine comprising:
a casing provided with an opening for putting laundry
into the washing machine therethrough;
15 a tub supportably arranged in a horizontal direction in
the casing;
a drum rotatably arranged in a horizontal direction in
the tub;
driving means, for rotating the drum, installed at a
20 rear surface of the tub;
a door installed at the casing for opening and closing
the opening of the casing, and provided with air suction ports
for sucking external air into the drum therethrough;
means, for opening and closing the air suction ports,
25 installed at the door; and

means, for heating air sucked into the washing machine,
respectively installed at the air suction ports of the door.

17. The washing machine as set forth in claim 16,
5 wherein the door is provided with a plurality of the air
suction ports.

18. The washing machine as set forth in claim 16,
wherein the means for opening and closing the air
10 suction ports includes shielding plugs for respectively
shielding the air suction ports.

19. The washing machine as set forth in claim 16,
wherein the means for opening and closing the air
15 suction ports includes a driving plate rotatably installed at
the front surface of the door and provided with holes
corresponding to the air suction ports.

20. The washing machine as set forth in claim 19,
20 wherein the means for opening and closing the air
suction ports further includes rotary means for rotating the
driving plate.